Manufacturer: Power-One, Inc.

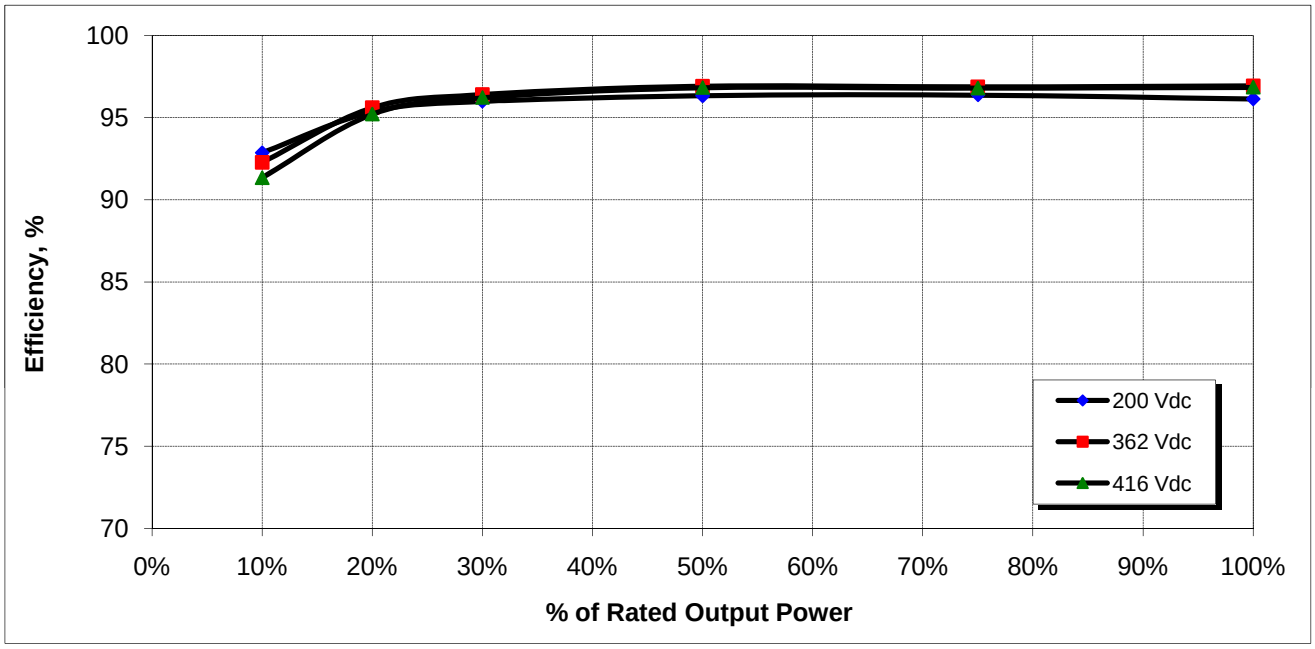
Model #: PVI-3.8-I-OUTD-x-US-y

Rated Maximum Continuous Output Power @25°C: 3.8 kW Night Tare Loss: 0.1 W
Rated Maximum Continuous Output Power @40°C: 3.8 kW Night Tare Loss: 0.1 W

Vmin: 200 Vdc Vnom: 362 Vdc Vmax: 416 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.38	0.76	1.14	1.90	2.85	3.80	Wtd
Vmin	200	92.9	95.4	96.0	96.3	96.4	96.1	96.1
Vnom	362	92.3	95.6	96.4	96.9	96.9	96.9	96.6
Vmax	416	91.3	95.2	96.2	96.8	96.8	96.9	96.4

CEC Efficiency = 96.5%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	377.5	200.0	92.9	377.3	200.0	92.9	376.8	200.0	92.8	376.9	200.0	92.8	377.1	200.0	92.9
20%	Vmin	834.1	200.0	95.4	834.2	200.0	95.4	834.1	200.0	95.4	834.2	200.0	95.4	834.3	200.0	95.4
30%	Vmin	1233.1	201.1	96.0	1232.7	201.1	96.0	1232.5	201.1	96.0	1232.5	201.1	96.0	1232.7	201.1	96.0
50%	Vmin	2069.6	201.0	96.3	2069.3	201.0	96.3	2069.6	201.0	96.3	2069.8	201.0	96.3	2069.3	201.0	96.3
75%	Vmin	2680.4	201.0	96.4	2681.0	201.0	96.4	2680.2	201.0	96.4	2680.7	201.0	96.4	2680.3	201.0	96.4
100%	Vmin	3620.8	201.1	96.1	3621.0	201.1	96.1	3620.7	201.1	96.1	3620.6	201.1	96.1	3620.2	201.1	96.1
10%	Vnom	378.1	361.1	92.2	378.8	361.1	92.3	378.4	361.1	92.2	378.5	361.1	92.3	378.6	361.1	92.3
20%	Vnom	834.1	361.1	95.6	834.1	361.1	95.6	834.5	361.1	95.6	834.4	361.1	95.6	834.3	361.1	95.6
30%	Vnom	1226.9	361.0	96.4	1227.3	361.0	96.4	1227.1	361.0	96.4	1227.2	361.0	96.4	1226.9	361.0	96.4
50%	Vnom	2071.5	360.9	96.9	2071.5	361.0	96.9	2071.9	361.0	96.9	2072.5	360.9	96.9	2072.1	361.0	96.9
75%	Vnom	3029.0	360.9	96.9	3028.9	360.9	96.9	3028.9	360.9	96.9	3029.7	360.9	96.9	3029.6	360.9	96.9
100%	Vnom	3859.2	361.0	96.9	3858.8	361.0	96.9	3858.5	361.0	96.9	3859.0	361.0	96.9	3858.0	360.9	96.9
10%	Vmax	377.3	416.0	91.3	377.7	416.0	91.3	377.6	416.1	91.4	377.5	416.0	91.3	377.3	416.1	91.4
20%	Vmax	832.3	416.0	95.2	832.7	416.0	95.2	832.3	416.0	95.2	832.2	416.0	95.2	832.3	416.0	95.2
30%	Vmax	1231.8	415.9	96.2	1232.2	415.9	96.2	1232.4	415.9	96.2	1232.1	415.9	96.2	1231.7	415.9	96.2
50%	Vmax	2073.9	415.8	96.8	2074.1	415.8	96.8	2074.5	415.8	96.8	2074.4	415.8	96.8	2075.1	415.8	96.8
75%	Vmax	3028.9	415.8	96.8	3028.7	415.8	96.8	3028.3	415.8	96.8	3028.5	415.8	96.8	3029.2	415.8	96.8
100%	Vmax	3985.1	415.8	96.9	3985.4	415.9	96.8	3986.6	415.9	96.9	3986.4	415.9	96.8	3985.8	415.8	96.8

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	377.2	200.0	92.9	377.2	200.0	92.8									
20%	Vmin	834.4	200.0	95.4	834.2	200.0	95.4									
30%	Vmin	1232.2	201.1	96.0	1232.5	201.1	96.0									
50%	Vmin	2069.0	201.0	96.3	2069.2	201.0	96.3									
75%	Vmin	2680.4	201.0	96.4	2680.8	201.0	96.4									
100%	Vmin	3619.9	201.1	96.1	3620.1	201.1	96.1									
10%	Vnom	378.7	361.1	92.3	378.5	361.1	92.2									
20%	Vnom	834.4	361.1	95.6	834.1	361.1	95.6									
30%	Vnom	1227.3	361.0	96.4	1226.7	361.0	96.4									
50%	Vnom	2071.7	361.0	96.9	2072.1	361.0	96.9									
75%	Vnom	3029.5	360.9	96.9	3029.8	360.9	96.9									
100%	Vnom	3858.3	360.9	96.9	3858.4	361.0	96.9									
10%	Vmax	377.7	416.0	91.4	377.4	416.0	91.3									
20%	Vmax	832.1	416.0	95.2	831.7	416.0	95.2									
30%	Vmax	1232.2	415.9	96.2	1231.9	415.9	96.2									
50%	Vmax	2075.0	415.8	96.8	2075.2	415.8	96.8									
75%	Vmax	3029.1	415.8	96.8	3029.2	415.8	96.8									
100%	Vmax	3986.0	415.9	96.8	3986.0	415.9	96.9									